2021-22

QUALITY CONTROL TEST REPORTS

Name of the Client: **Executive Engineer,** Project Division, RR Nagara Zone, BBMP, Bangalore..

Agency: **Sri. B N Girish (SKS Infrastructures Pvt Ltd),** Contractor, Bangalore.

Name of the Work: Additional works to Construction of Shuttle Cock Ground in Ward No 17 RR Nagar constituency, BBMP, Bangalore

M/s. CIVIL QUALITY CONSULTANTS & ENGINEERS

(Buildings Geo-Tech & Road Materials Testing Laboratory)
An ISO 9001: 2015 Certified Company
NABL Accredited as per ISO-17025: 2017 Laboratory

#133, Bhuvaneshwarinagar, DoddaBasti Main Road, Bangalore-560056
e-mail: civilqualityconsultants@gmail.com Ph: 080-23240644 Mob: 9886998316

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QC-ABSTRACT

Name of Work:- : Additional works to Construction of Shuttle Cock Ground in Ward No 17 RR Nagar constituency, BBMP, Bangalore

Sl No.	Item	Quantity As Per BOQ	Required No's of tests	Actual No's of tests	Tests
1	PCC 1:3:6	64.44 Cum	1	1	Cement
					Sand, Aggregates
2	Steel	10.19 Tonne	1	1	-
3	M15	17.01 Cum	3	3	Concrete Cube Compressive Strength
4	M20	24.66 Cum	3	3	Concrete Cube Compressive Strength
5	M25	57.44 Cum	5	5	Concrete Cube Compressive Strength
6	Block 4"	151.62 Sqm	1	1	Compressive strength
7	Block 6"	252.53 Sqm	1	1	Compressive strength
8	Block 8"	36.40 Sqm	1	1	Compressive strength
9	Vitrified Tiles 1000*1000*12	266.33 Sqm	1	1	-
10	Vitrified Tiles 600*600*10	29.36 Sqm	1	1	-
11	Ceramics Tiles	209.57 Sqm	1	1	-

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12	Paver Block 60mm	7.50 Sqm	1	1	-
13	Bricks	-	1	1	-
14	CPVC 20mm	4799.76 Cum	1	1	-
15	CPVC 25mm	4799.76 Cum	1	1	-
16	CPVC 50mm	4799.76 Cum	1	1	-
17	PVC 20mm	4799.76 Cum	1	1	-
18	PVC 25mm	4799.76 Cum	1	1	-
19	PVC 32mm	4799.76 Cum	1	1	-
20	PVC 40mm	4799.76 Cum	1	1	-
21	PVC 50mm	4799.76 Cum	1	1	-
22	PVC 110mm	4799.76 Cum	1	1	-

Cubes

0-5 m^3	1set
6-15 m^3	2set
16-30 m^3	3set
31-50 m^3	4 set
Add 1set for every 50 Cum	

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/BNG/17/2021-22

Date:23.06.2021

TEST REPORT ON CEMENT

Client : **Executive Engineer,** Project Division,RR Nagara Zone,BBMP, Bangalore.

Agency : **Sri. B N Girish (SKS Infrastructures Pvt Ltd),** Contractor, Bangalore.

Name of Work : Additional works to Construction of Shuttle Cock Ground in Ward No 17 RR Nagar constituency, BBMP, Bangalore

Sample : :Cement (Birla Super 53 grade OPC)

Sample Supplied by: :AGENCY

Date of Manufacture: : May - 2021

Date of Testing : 21.06.2021 to 23.06.2021

Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 269:2015
1	a) Initial Setting Time	IS-4031 (Part - 5):1988(RA 2014)	130 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part - 5):1988(RA 2014)	360 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part 3) :1988 (RA 2014) by the Le-Chatelier method	1 mm	Not more than 10 mm
3	Standard Consistency	IS-4031 (Part -4)	29.50%	-

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Authorised Signatory

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/BNG/17/2021-22

Date : 23.06.2021

TEST REPORT ON FINE AGGREGATES (SAND)

Client : **Executive Engineer,** Project Division, RR Nagara Zone, BBMP, Bangalore.

Agency : **Sri. B N Girish (SKS Infrastructures Pvt Ltd),** Contractor, Bangalore.

Name of Work : Additional works to Construction of Shuttle Cock Ground in Ward No 17 RR Nagar constituency, BBMP, Bangalore

Date of Testing : 23.06.2021

IS Code :IS 383:2016

:IS 2386 (Part 1):1963(RA 2011)

Material : Sand

Total Wt. of Aggregates in gms 1000

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Requirements as per IS 383:2016 Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	74	7.40	7.40	92.6	90-100
2.36	105	10.50	17.90	82.1	75-100
1.18	216	21.60	39.50	60.5	55-90
600 Micron	195	19.50	59.00	41.0	35-59
300 Micron	213	21.30	80.30	19.7	8-30
150 Micron	108	10.80	91.10	8.9	0-10

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Job No.: CQCE/BBMP/BNG/17/2021-22

Date : 23.06.2021

TEST REPORT ON COARSE AGGREGATES

Client : **Executive Engineer,** Project Division, RR Nagara Zone, BBMP, Bangalore.

Agency : **Sri. B N Girish (SKS Infrastructures Pvt Ltd),** Contractor, Bangalore.

Name of Work : Additional works to Construction of Shuttle Cock Ground in Ward No 17 RR Nagar constituency, BBMP, Bangalore

Date of Testing : 23.06.2021

IS Code :IS 383:2016

:IS 2386 (Part 1):1963(RA 2011)

Material : 40mm Aggregates

Total Wt. of Aggregates in gms **15000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Requirements as per IS 383:2016
80	0	0	0	100	100
40	184	1.23	1.23	98.77	95-100
20	8326	55.51	56.73	43.27	30-70
10	3054	20.36	77.09	22.91	10-35
4.75	2811	18.74	95.83	4.17	0-5

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Job No.: CQCE/BBMP/BNG/17/2021-22 Date : 23.06.2021

TEST REPORT ON COARSE AGGREGATES

Client : **Executive Engineer,** Project Division, RR Nagara Zone, BBMP, Bangalore.

Agency : **Sri. B N Girish (SKS Infrastructures Pvt Ltd),** Contractor, Bangalore.

Name of Work : Additional works to Construction of Shuttle Cock Ground in Ward No 17 RR Nagar constituency, BBMP, Bangalore

Date of Testing : 23.06.2021

IS Code :IS 383:2016

:IS 2386 (Part 1):1963(RA 2011)

Material : 20mm Aggregates

Total Wt. of Aggregates in gms= **5000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Requirements as per IS 383:2016
40	0	0	0	100	100
20	215	4.3	4.3	95.7	95-100
10	2976	59.5	63.8	36.2	25-55
4.75	1453	29.1	92.9	7.1	0-10

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Job No.: CQCE/BBMP/BNG/17/2021-22

Date : 04.10.2021

TEST REPORT ON FINE AGGREGATES (SAND)
IS 1542-1992

Client : **Executive Engineer,** Project Division, RR Nagara Zone, BBMP, Bangalore.

Agency : **Sri. B N Girish (SKS Infrastructures Pvt Ltd),** Contractor, Bangalore.

Name of Work : Additional works to Construction of Shuttle Cock Ground in Ward No 17 RR Nagar constituency, BBMP, Bangalore

Date of Testing : 04.10.2021

Material : Sand(Plastering)

Total wt. of aggregates in gms = **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits as per IS 1542-1992
10	0	0	0	100	100
4.75	18	1.80	1.80	98.2	95-100
2.36	16	1.60	3.40	96.6	95-100
1.18	37	3.70	7.10	92.9	90-100
600 Micron	64	6.40	13.50	86.5	80-100
300 Micron	241	24.10	37.60	62.4	20-65
150 Micron	502	50.20	87.80	12.2	0-15

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Job No.: CQCE/BBMP/BNG/17/2021-22

Date : 23.06.2021

TEST REPORT ON FINE AGGREGATES (SAND)
IS 2116-1980

Client : **Executive Engineer,** Project Division, RR Nagara Zone, BBMP, Bangalore.

Agency : **Sri. B N Girish (SKS Infrastructures Pvt Ltd),** Contractor, Bangalore.

Name of Work : Additional works to Construction of Shuttle Cock Ground in Ward No 17 RR Nagar constituency, BBMP, Bangalore

Date of Testing : 23.06.2021

Material : Sand(Masonry)

Total wt. of aggregates in gms = **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits as per IS 2116-1980
4.75	0	0.00	0.00	100.0	100
2.36	22	2.20	2.20	97.8	90-100
1.18	34	3.40	5.60	94.4	70-100
600 Micron	85	8.50	14.10	85.9	40-100
300 Micron	243	24.30	38.40	61.6	5-70
150 Micron	497	49.70	88.10	11.9	0-15

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Job No.: CQCE/BBMP/BNG/17/2021-22

Date :23.06.2021

TEST REPORT OF PHYSICAL PROPERTIES OF REINFORCEMENT STEEL

Client : **Executive Engineer,** Project Division, RR Nagara Zone, BBMP, Bangalore.

Agency : **Sri. B N Girish (SKS Infrastructures Pvt Ltd),** Contractor, Bangalore.

Name of Work : Additional works to Construction of Shuttle Cock Ground in Ward No 17 RR Nagar constituency, BBMP, Bangalore

Steel Dia/Length: 8mm,10mm,12mm,16mm,20mm" TMT"

Reference to BIS codes: IS 1786:2008(RA 2013) High Strength Deformed Steel Bars and Wires for Concrete Reinforcement-Specification

IS 1608:2005 Metallic Materials- Tensile Testing at Ambient Temperature

Date of test: :23.06.2021

S.No	Brand	Nominal size (dia in mm)	Mass per meter (kg/meter)	TENSILE STRENGTH			
				0.20 % proof stress/ yield stress (N/mm^2)	Tensile strength (N/mm^2)	TS/YS ratio	Elongation, percent on gauge length
1	TMT	8	0.395	514	605	1.18	16.5
2	TMT	10	0.618	509	625	1.23	21
3	TMT	12	0.887	527	617	1.17	15
4	TMT	16	1.581	511	622	1.22	20
5	TMT	20	2.48	523	609	1.16	14.5

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/BNG/17/2021-22

Date: 06.08.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Executive Engineer,** Project Division, RR Nagara Zone, BBMP, Bangalore.

Agency : **Sri. B N Girish (SKS Infrastructures Pvt Ltd),** Contractor, Bangalore.

Name of the work : Additional works to Construction of Shuttle Cock Ground in Ward No 17 RR Nagar constituency, BBMP, Bangalore

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{15}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	30.07.2021	06.08.2021	8.174	282.1	12.54
2	30.07.2021	06.08.2021	8.161	261.3	11.61
3	30.07.2021	06.08.2021	8.143	272.4	12.11

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Job No.: CQCE/BBMP/BNG/17/2021-22

Date: 06.08.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Executive Engineer,** Project Division, RR Nagara Zone, BBMP, Bangalore.

Agency : **Sri. B N Girish (SKS Infrastructures Pvt Ltd),** Contractor, Bangalore.

Name of the work : Additional works to Construction of Shuttle Cock Ground in Ward No 17 RR Nagar constituency, BBMP, Bangalore

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{15}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	30.07.2021	06.08.2021	8.099	273.5	12.16
2	30.07.2021	06.08.2021	8.125	286.9	12.75
3	30.07.2021	06.08.2021	8.167	264.2	11.74

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Job No.: CQCE/BBMP/BNG/17/2021-22

Date: 06.08.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Executive Engineer,** Project Division, RR Nagara Zone, BBMP, Bangalore.

Agency : **Sri. B N Girish (SKS Infrastructures Pvt Ltd),** Contractor, Bangalore.

Name of the work : Additional works to Construction of Shuttle Cock Ground in Ward No 17 RR Nagar constituency, BBMP, Bangalore

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{15}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	30.07.2021	06.08.2021	8.046	285.4	12.68
2	30.07.2021	06.08.2021	8.059	259.3	11.52
3	30.07.2021	06.08.2021	8.073	269.5	11.98

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Job No.: CQCE/BBMP/BNG/17/2021-22 Date: 27.08.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Executive Engineer,** Project Division, RR Nagara Zone, BBMP, Bangalore.

Agency : **Sri. B N Girish (SKS Infrastructures Pvt Ltd),** Contractor, Bangalore.

Name of the work : Additional works to Construction of Shuttle Cock Ground in Ward No 17 RR Nagar constituency, BBMP, Bangalore

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{15}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	30.07.2021	27.08.2021	8.100	380.7	16.92
2	30.07.2021	27.08.2021	8.117	366.9	16.31
3	30.07.2021	27.08.2021	8.126	375.3	16.68

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Job No.: CQCE/BBMP/BNG/17/2021-22

Date: 27.08.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Executive Engineer,** Project Division, RR Nagara Zone, BBMP, Bangalore.

Agency : **Sri. B N Girish (SKS Infrastructures Pvt Ltd),** Contractor, Bangalore.

Name of the work : Additional works to Construction of Shuttle Cock Ground in Ward No 17 RR Nagar constituency, BBMP, Bangalore

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{15}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	30.07.2021	27.08.2021	8.011	360.2	16.01
2	30.07.2021	27.08.2021	8.039	354.5	15.76
3	30.07.2021	27.08.2021	8.048	379.7	16.88

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AE/JE (P) R.R.N

AEE(P)-2 RRN

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

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CIVIL QUALITY CONSULTANTS & ENGINEERS

ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/BNG/17/2021-22

Date: 27.08.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Executive Engineer,** Project Division, RR Nagara Zone, BBMP, Bangalore.

Agency : **Sri. B N Girish (SKS Infrastructures Pvt Ltd),** Contractor, Bangalore.

Name of the work : Additional works to Construction of Shuttle Cock Ground in Ward No 17 RR Nagar constituency, BBMP, Bangalore

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{15}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	30.07.2021	27.08.2021	8.122	387.9	17.24
2	30.07.2021	27.08.2021	8.149	361.7	16.08
3	30.07.2021	27.08.2021	8.158	353.3	15.70

Note:

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AEE(P)-2 RRN

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/BNG/17/2021-22 Date: 27.08.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Executive Engineer,** Project Division, RR Nagara Zone, BBMP, Bangalore.

Agency : **Sri. B N Girish (SKS Infrastructures Pvt Ltd),** Contractor, Bangalore.

Name of the work : Additional works to Construction of Shuttle Cock Ground in Ward No 17 RR Nagar constituency, BBMP, Bangalore

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	20.08.2021	27.08.2021	8.111	366.8	16.30
2	20.08.2021	27.08.2021	8.129	387.2	17.21
3	20.08.2021	27.08.2021	8.147	394.5	17.53

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/BNG/17/2021-22

Date: 27.08.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Executive Engineer,** Project Division,RR Nagara Zone,BBMP, Bangalore.

Agency : **Sri. B N Girish (SKS Infrastructures Pvt Ltd),** Contractor, Bangalore.

Name of the work : Additional works to Construction of Shuttle Cock Ground in Ward No 17 RR Nagar constituency, BBMP, Bangalore

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	20.08.2021	27.08.2021	8.196	351.6	15.63
2	20.08.2021	27.08.2021	8.175	367.7	16.34
3	20.08.2021	27.08.2021	8.152	383.4	17.04

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AEE(P)-2 RRN

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/BNG/17/2021-22

Date: 27.08.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Executive Engineer,** Project Division,RR Nagara Zone,BBMP, Bangalore.

Agency : **Sri. B N Girish (SKS Infrastructures Pvt Ltd),** Contractor, Bangalore.

Name of the work : Additional works to Construction of Shuttle Cock Ground in Ward No 17 RR Nagar constituency, BBMP, Bangalore

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	20.08.2021	27.08.2021	8.162	389.5	17.31
2	20.08.2021	27.08.2021	8.131	373.4	16.60
3	20.08.2021	27.08.2021	8.115	362.4	16.11

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/BNG/17/2021-22

Date: 17.09.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Executive Engineer,** Project Division,RR Nagara Zone,BBMP, Bangalore.

Agency : **Sri. B N Girish (SKS Infrastructures Pvt Ltd),** Contractor, Bangalore.

Name of the work : Additional works to Construction of Shuttle Cock Ground in Ward No 17 RR Nagar constituency, BBMP, Bangalore

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	20.08.2021	17.09.2021	8.143	475.2	21.12
2	20.08.2021	17.09.2021	8.167	508.6	22.60
3	20.08.2021	17.09.2021	8.195	485.4	21.57

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AE/JE (P) R.R.N

AEE(P)-2 RRN

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Job No.: CQCE/BBMP/BNG/17/2021-22

Date: 17.09.2021

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Client : **Executive Engineer,** Project Division,RR Nagara Zone,BBMP, Bangalore.

Agency : **Sri. B N Girish (SKS Infrastructures Pvt Ltd),** Contractor, Bangalore.

Name of the work : Additional works to Construction of Shuttle Cock Ground in Ward No 17 RR Nagar constituency, BBMP, Bangalore

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	20.08.2021	17.09.2021	8.021	500.4	22.24
2	20.08.2021	17.09.2021	8.037	529.3	23.52
3	20.08.2021	17.09.2021	8.064	516.6	22.96

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Job No.: CQCE/BBMP/BNG/17/2021-22 Date: 17.09.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Executive Engineer,** Project Division,RR Nagara Zone,BBMP, Bangalore.

Agency : **Sri. B N Girish (SKS Infrastructures Pvt Ltd),** Contractor, Bangalore.

Name of the work : Additional works to Construction of Shuttle Cock Ground in Ward No 17 RR Nagar constituency, BBMP, Bangalore

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	20.08.2021	17.09.2021	8.174	511.1	22.72
2	20.08.2021	17.09.2021	8.146	507.9	22.57
3	20.08.2021	17.09.2021	8.121	494.2	21.96

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/BNG/17/2021-22

Date: 12.07.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Executive Engineer,** Project Division,RR Nagara Zone,BBMP, Bangalore.

Agency : **Sri. B N Girish (SKS Infrastructures Pvt Ltd),** Contractor, Bangalore.

Name of the work : Additional works to Construction of Shuttle Cock Ground in Ward No 17 RR Nagar constituency, BBMP, Bangalore

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{25}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	05.07.2021	12.07.2021	8.197	424.5	18.87
2	05.07.2021	12.07.2021	8.186	410.8	18.26
3	05.07.2021	12.07.2021	8.172	405.2	18.01

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AE/JE (P) R.R.N

AEE(P)-2 RRN

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Job No.: CQCE/BBMP/BNG/17/2021-22

Date: 12.07.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Executive Engineer,** Project Division,RR Nagara Zone,BBMP, Bangalore.

Agency : **Sri. B N Girish (SKS Infrastructures Pvt Ltd),** Contractor, Bangalore.

Name of the work : Additional works to Construction of Shuttle Cock Ground in Ward No 17 RR Nagar constituency, BBMP, Bangalore

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{25}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	05.07.2021	12.07.2021	8.038	399.4	17.75
2	05.07.2021	12.07.2021	8.079	427.9	19.02
3	05.07.2021	12.07.2021	8.099	416.5	18.51

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AEE(P)-2 RRN

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/BNG/17/2021-22

Date: 26.07.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Executive Engineer,** Project Division,RR Nagara Zone,BBMP, Bangalore.

Agency : **Sri. B N Girish (SKS Infrastructures Pvt Ltd),** Contractor, Bangalore.

Name of the work : Additional works to Construction of Shuttle Cock Ground in Ward No 17 RR Nagar constituency, BBMP, Bangalore

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{25}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	19.07.2021	26.07.2021	8.085	427.8	19.01
2	19.07.2021	26.07.2021	8.061	400.8	17.81
3	19.07.2021	26.07.2021	8.022	414.4	18.42

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AE/IE(P) RRN

AEE(P)-2 RRN

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR

Job No.: CQCE/BBMP/BNG/17/2021-22

Date: 16.08.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Executive Engineer,** Project Division,RR Nagara Zone,BBMP, Bangalore.

Agency : **Sri. B N Girish (SKS Infrastructures Pvt Ltd),** Contractor, Bangalore.

Name of the work : Additional works to Construction of Shuttle Cock Ground in Ward No 17 RR Nagar constituency, BBMP, Bangalore

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{25}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	09.08.2021	16.08.2021	8.132	396.5	17.62
2	09.08.2021	16.08.2021	8.124	418.9	18.62
3	09.08.2021	16.08.2021	8.110	431.2	19.16

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AE/JE (P) R.R.Nagar Zone

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/BNG/17/2021-22

Date: 30.08.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Executive Engineer,** Project Division,RR Nagara Zone,BBMP, Bangalore.

Agency : **Sri. B N Girish (SKS Infrastructures Pvt Ltd),** Contractor, Bangalore.

Name of the work : Additional works to Construction of Shuttle Cock Ground in Ward No 17 RR Nagar constituency, BBMP, Bangalore

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{25}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	23.08.2021	30.08.2021	8.019	400.4	17.80
2	23.08.2021	30.08.2021	8.067	417.3	18.55
3	23.08.2021	30.08.2021	8.079	429.5	19.09

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AE/JE (P) R.F...V...

AEE(P)-2 RKN

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/BNG/17/2021-22 Date: 02.08.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Executive Engineer,** Project Division,RR Nagara Zone,BBMP, Bangalore.

Agency : **Sri. B N Girish (SKS Infrastructures Pvt Ltd),** Contractor, Bangalore.

Name of the work : Additional works to Construction of Shuttle Cock Ground in Ward No 17 RR Nagar constituency, BBMP, Bangalore

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{25}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	05.07.2021	02.08.2021	8.154	587.4	26.11
2	05.07.2021	02.08.2021	8.169	596.8	26.52
3	05.07.2021	02.08.2021	8.184	609.5	27.09

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AE/JE (P) R.R.N

AEE(P)-2 RRN

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/BNG/17/2021-22 Date: 02.08.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Executive Engineer,** Project Division,RR Nagara Zone,BBMP, Bangalore.

Agency : **Sri. B N Girish (SKS Infrastructures Pvt Ltd),** Contractor, Bangalore.

Name of the work : Additional works to Construction of Shuttle Cock Ground in Ward No 17 RR Nagar constituency, BBMP, Bangalore

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{25}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	05.07.2021	02.08.2021	8.100	592.3	26.32
2	05.07.2021	02.08.2021	8.116	603.7	26.83
3	05.07.2021	02.08.2021	8.127	618.4	27.48

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

AE/JE (P) R.K.N

AEE(P)-2 RRN

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

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CIVIL QUALITY CONSULTANTS & ENGINEERS

ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/BNG/17/2021-22

Date: 16.08.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Executive Engineer,** Project Division,RR Nagara Zone,BBMP, Bangalore.

Agency : **Sri. B N Girish (SKS Infrastructures Pvt Ltd),** Contractor, Bangalore.

Name of the work : Additional works to Construction of Shuttle Cock Ground in Ward No 17 RR Nagar constituency, BBMP, Bangalore

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{25}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	19.07.2021	16.08.2021	8.179	588.6	26.16
2	19.07.2021	16.08.2021	8.186	610.4	27.13
3	19.07.2021	16.08.2021	8.193	631.2	28.05

Note:

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